

DERWENT-ACC-NO: 2000-482439

DERWENT-WEEK: 200234

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TITLE: Mobile cell load controlling method  
in mobile radio network, involves deciding load  
status of radio cell based on the load information  
transmitted to unserving cell controller

INVENTOR: LONGONI, F

PATENT-ASSIGNEE: NOKIA NETWORKS OY[OYNO] , LONGONI  
F[LONGI]

PRIORITY-DATA: 1998WO-EP07932 (December 7, 1998)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	MAIN-IPC
WO 200035226 A1		June 15, 2000	E
028	H04Q	007/38	
US 20020052206 A1		May 2, 2002	N/A
000	H04Q	007/20	
AU 9917591 A		June 26, 2000	N/A
000	H04Q	007/38	
EP 1135946 A1		September 26, 2001	E
000	H04Q	007/38	

DESIGNATED-STATES: AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI  
GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MD MG  
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
UA UG US UZ VN YU  
ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU  
MC MW NL OA PT SD  
SE SZ UG ZW BE CH DE ES FR GB IT LI NL SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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APPL-DATE		
WO 200035226A1	N/A	
1998WO-EP07932	December 7, 1998	
US20020052206A1	Cont of	
1998WO-EP07932	December 7, 1998	
US20020052206A1	N/A	
2001US-0876562	June 7, 2001	
AU 9917591A	N/A	
1998WO-EP07932	December 7, 1998	
AU 9917591A	N/A	
1999AU-0017591	December 7, 1998	
AU 9917591A	Based on	WO 200035226
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EP 1135946A1	N/A	
1998EP-0962419	December 7, 1998	
EP 1135946A1	N/A	
1998WO-EP07932	December 7, 1998	
EP 1135946A1	Based on	WO 200035226
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INT-CL (IPC): H04Q007/20, H04Q007/22 , H04Q007/38

ABSTRACTED-PUB-NO: US20020052206A

#### BASIC-ABSTRACT:

NOVELTY - Load information of a radio cell (13) is transmitted from a radio network controller (3-1) serving radio cell to controller (3-2) not serving the radio cell. Based on the load information in the unserving cell controller, load status of the radio cell is decided.

DETAILED DESCRIPTION - Admission of the radio cell for handover of a mobile terminal (1) controlled by the unserving controller, is decided using the load status of the radio cell.

USE - For mobile radio network of WCDMA system such as UTMS.

ADVANTAGE - Loss of branch is prevented due to use of congested radio cell by using more efficient radio resource algorithms, thereby improving system

capacity. Balanced load among radio cells is maintained, thus high interference is avoided.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of mobile radio network implementing the mobile cell load control.

Mobile terminal 1

Radio network controller 3-1

Controller 3-2

Radio cell 13

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EQUIVALENT-ABSTRACTS:

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Controller 3-2

Radio cell 13

CHOSEN-DRAWING: Dwg.2/3

TITLE-TERMS: MOBILE CELL LOAD CONTROL METHOD MOBILE RADIO  
NETWORK DECIDE LOAD  
STATUS RADIO CELL BASED LOAD INFORMATION  
TRANSMIT CELL CONTROL

DERWENT-CLASS: W01 W02

EPI-CODES: W01-A05A; W01-A06B7; W01-B05A1A; W01-C02A1A;  
W01-C02B6; W02-C03C1A;

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